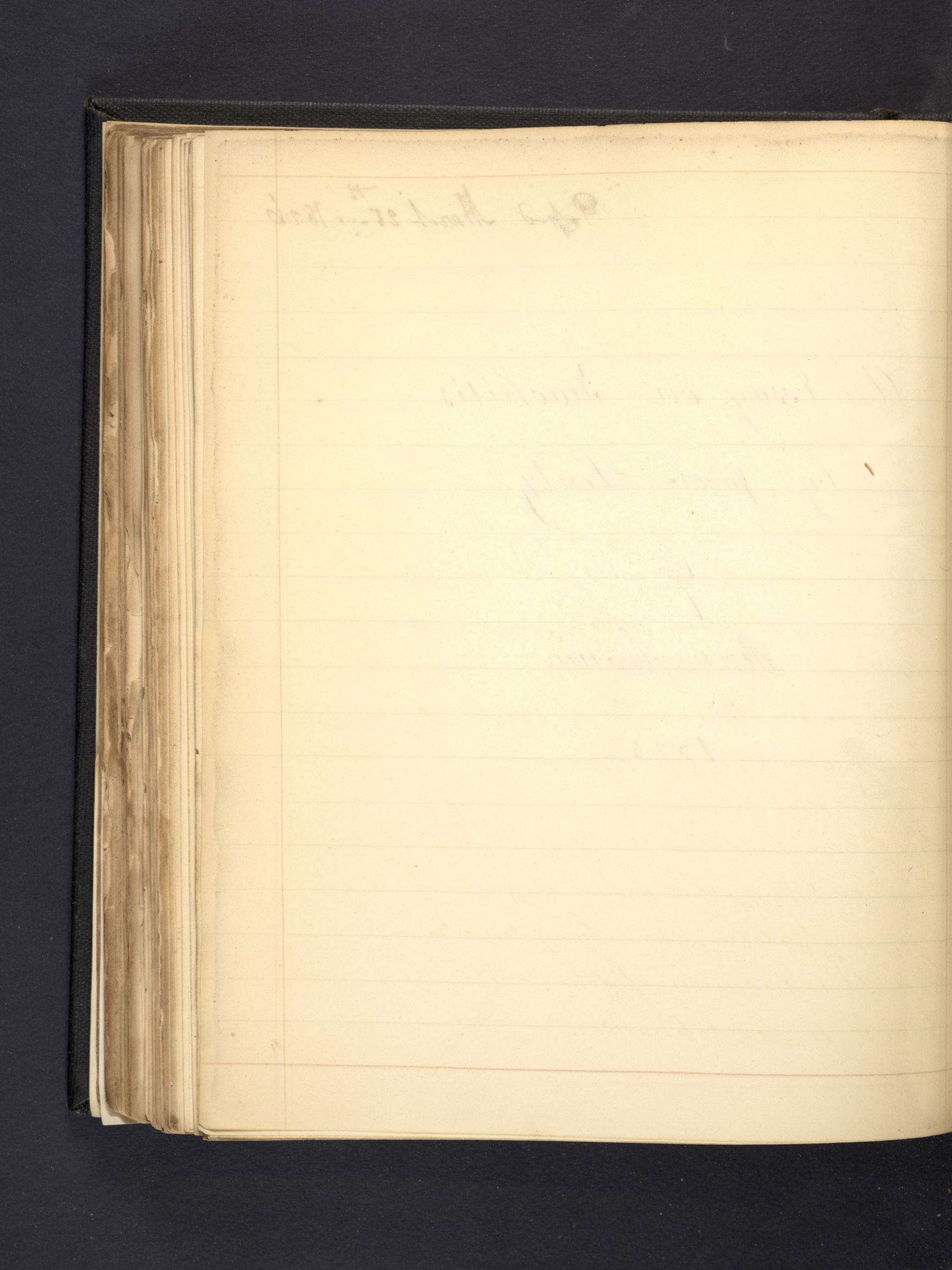
And Hard 25 --- 1826 An Essay on Trachitis by Jacob Lenty Rennsylvania 1825-



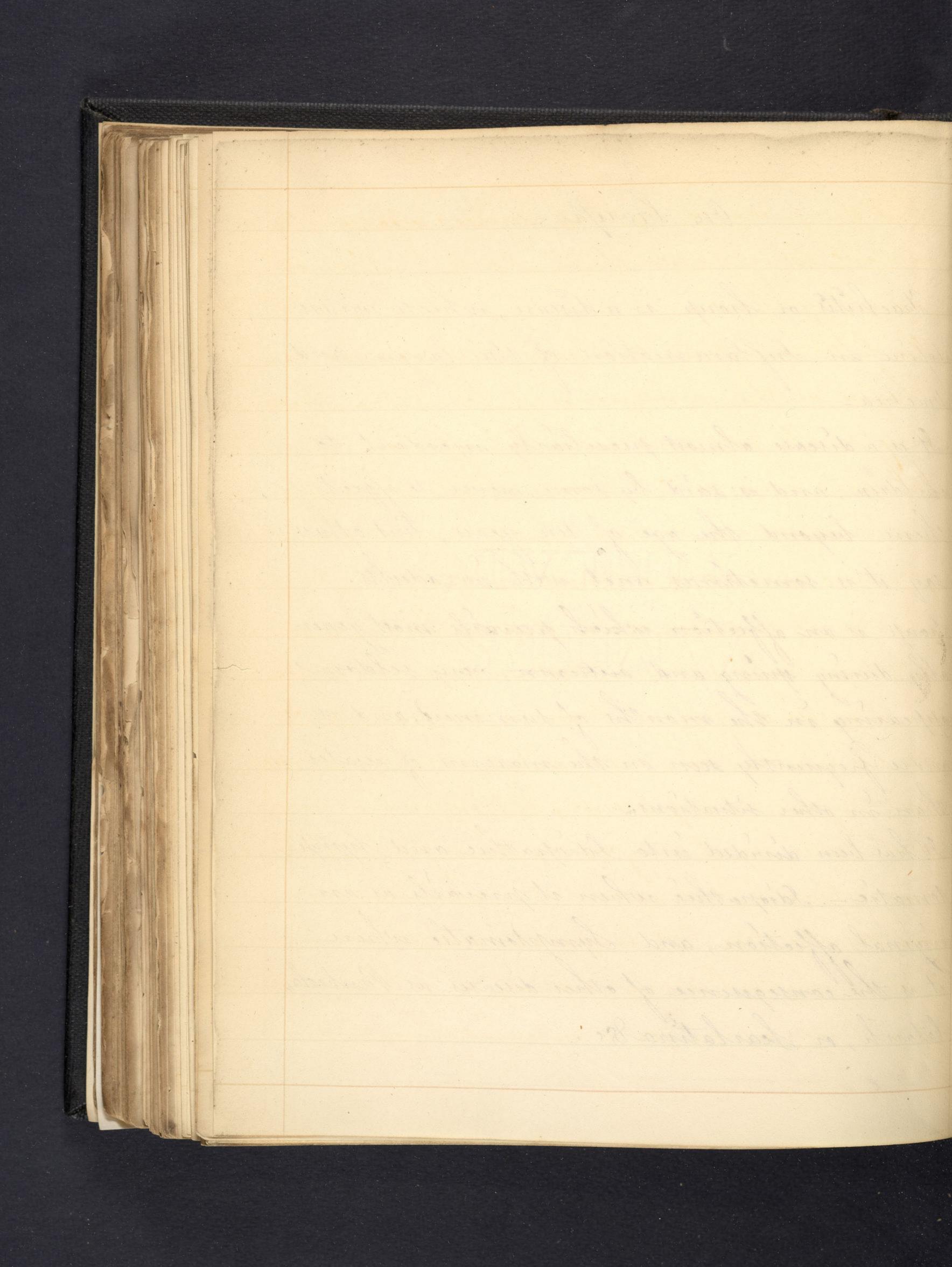
On braigh .

Trachea- Snowp is a disease, which writers define an Inflammation of the laryny and trachea-

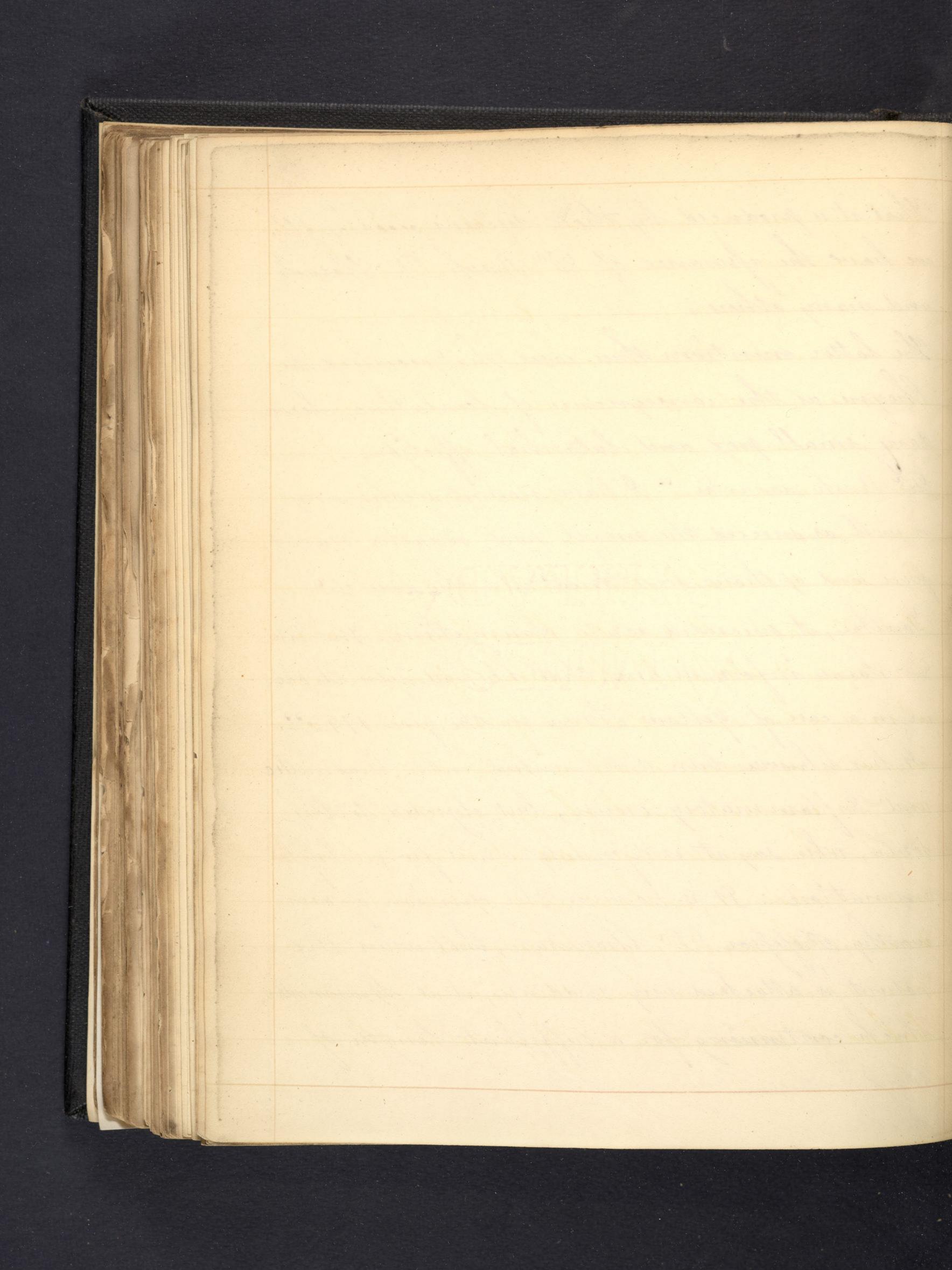
It is a disease almost preciliarly meident to children, and is said by some never to affect them beyond the age of ten years, but others say it is sometimes met with in adults. houp is an affection which prevails most gener-

houp is an affection which prevails most generally during uning and autumn, very seldom appearing in the months of summers, and is more frequently seen on the margins of water than, in other situations.

It has been divided into Idiopathic and Symptomatic - Idiopathic when it prevails as an original affection, and Symptomatic, where it is the consequence of other diseases, as Mubeola, latanh, or Scarlatina &c.

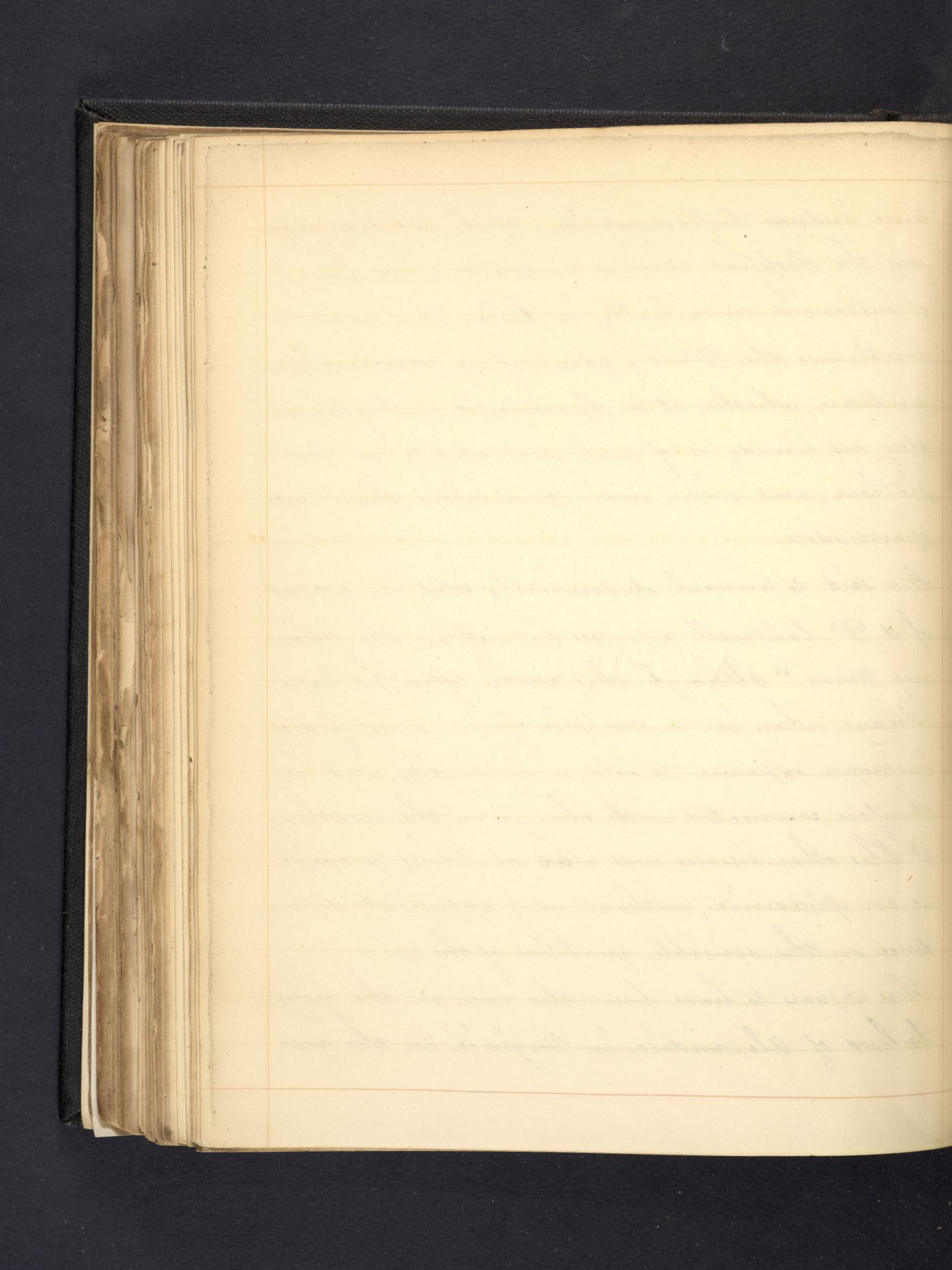


That it is produced by those diseases oceasionally we have the assurance of Dr Brush, Dr Hosach and many others -The latter mentions three eases, that occurred to Sheyne as the consequence of Scarlatina, Secon-De Bush umarks "I have seen it accompany as well as succeed the small por, measles, scarlet fever, and apothous some throat. In the late In Houthe, it succeeded acute wheumatism. The late De Sayre informed me, that he had seen it occ. un in a case of yellow Hever in the year 1798. It has between been distinguished into Sprasmodic and Inflammatory croups, but objected to by some, who say it misponnely arises from Inflaammation: It is however the opinion of our worthy Professor D' Chapman, that when the patient is attached very suddenly, it is sprasmodic, which continuing for a sufficient length of acoust graduces - Programment on the con-

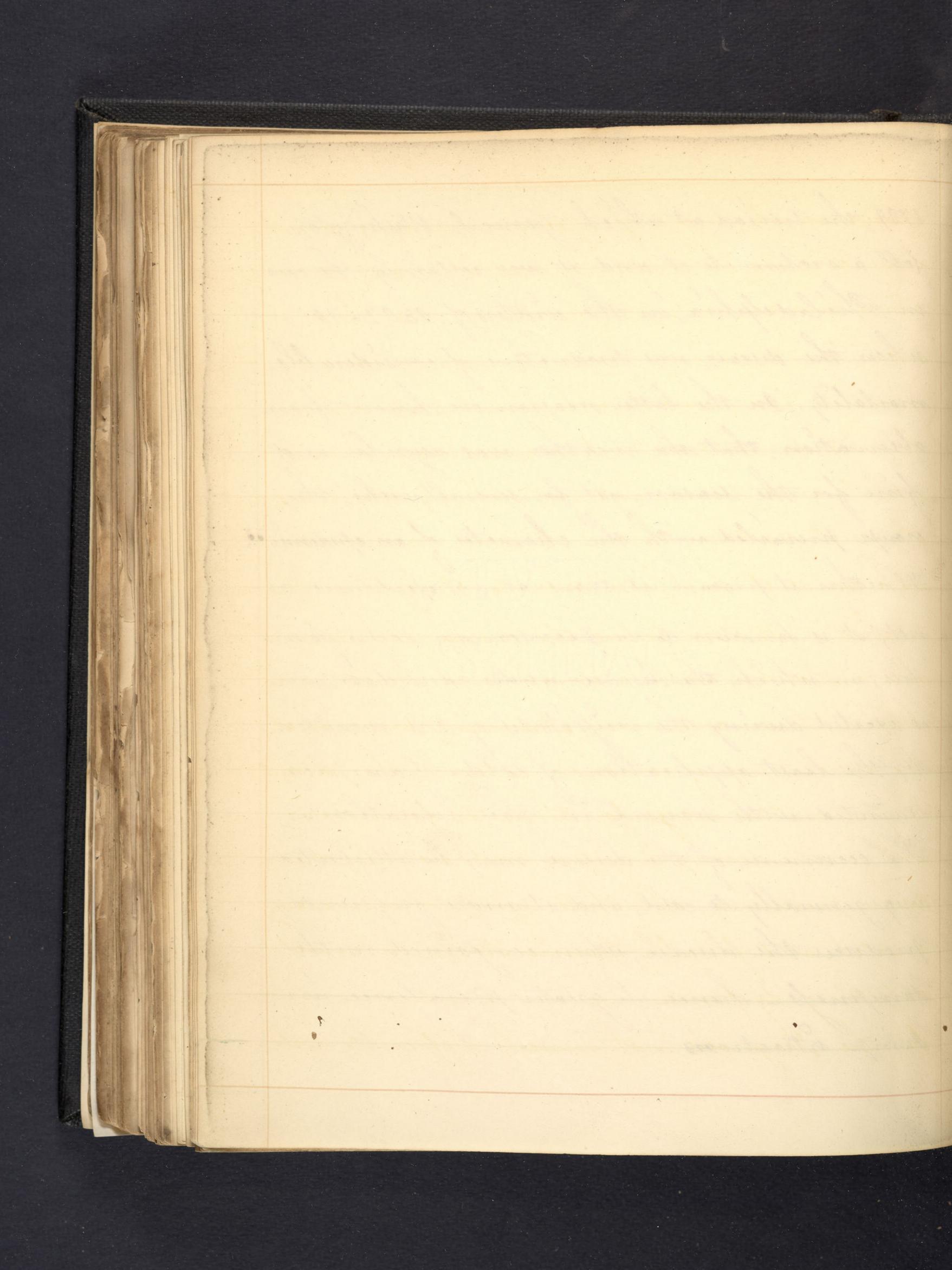


time, induces Inflammation: of the validity of this says the Professor, there is no doubt, as we have it instanced remarkably in lolie. This however continues the Dr is a point of no practical importance, whether it is Inasmodic or Inflammatory, no remedy is of such great utility as Vene section, and none more previous, than anti-spasmodies.

of it De laldwell expresses himself in the follow and turns "although this disease, often, perhaps always, when me a sporadic form, arises from improper exposure, to cold or humidity, and is therefore connected with changes in the weather, it like other diseases does also at times prevail as an epidennic, without any apparent dependence on the sensible qualities of the ano. This appears to have been the case in the neighborhood of alexandria in Vinginia in the year



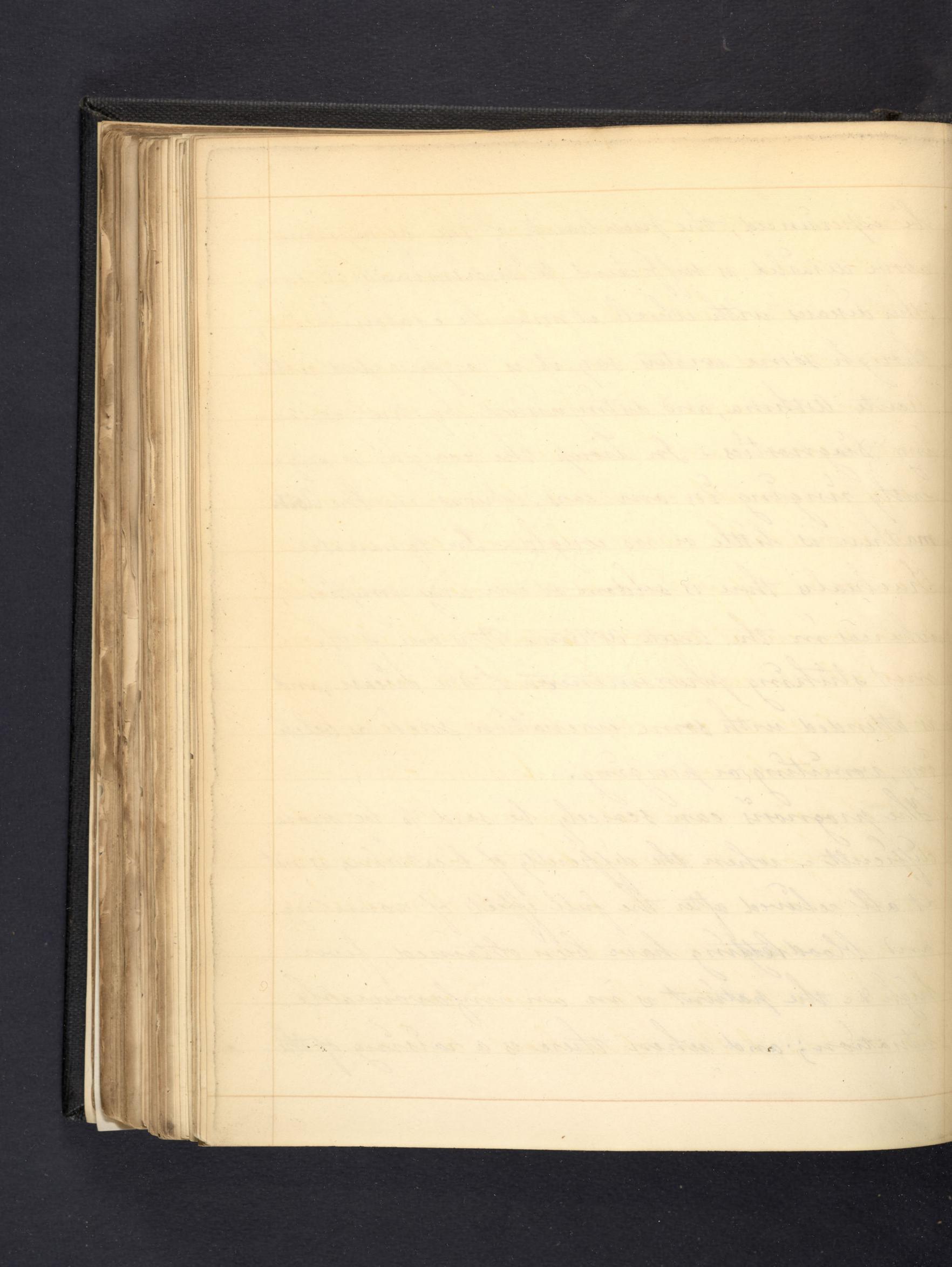
1799, the preried at which General Washington fell a victim to it, and it was certainly the case in Philadelphia, in the winters of 1809-10 when the disease was productive of considerable mortality. In the latter occasion we know from observation, that the weather was regular and fine for the season, yet for several weeks, the eroup prevailed with the character of an epidemic? Ilhether it prevail at times as an epidemie oi not, it is known to be prembar in some fami hus, in which the disease under consideration is exerted during the vieifsitudes of the weather by the least appheation of cold -. I am acq nainted with several in this situation. The occurrence of the disease may be attributed very generally to cold, and it more frequently produces the disease, when conjoined with dampness. hence its greater privalence in damp situations.



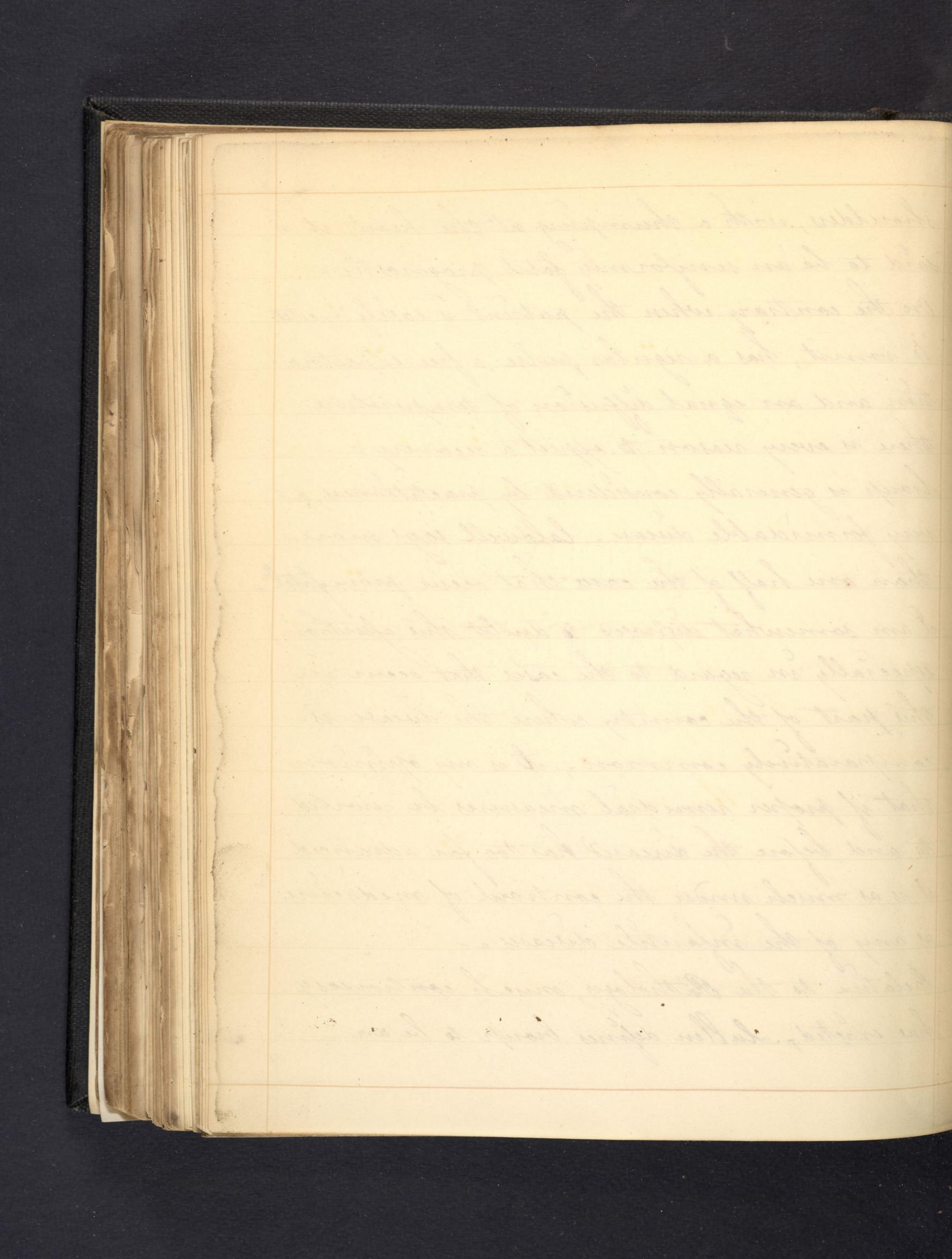
Lowing true but one varuety broup in its mode of attach is various somet: imes coming on juddenly and at night; the child awakes, with a difficulty of breathing, a preentier wheezing noise, a hoanse cough, flushed face, considerable thust and other febrilet symptoms: it is exceedingly uneary, whirly and turns, and instructively assumes the evet posture, throws its head backwards in order as it has been said, to straighten the trachea - At other times the disease comes on more slowly, with a cough and voice more house than common, assuming somewhat the appearance of common catanh, the patient lingers in thes ways for three or four days, and is very drowsy maetive and fretful; the disease progressing, all these symptoms are agg ravated, and finally terminates in a most distressing dysponea. In the Diagnosis not much difficulty will

correct consistency of the facilitation and all grands. dieteralisa uthurging mother, a seasie conspens the seist partiers, Throws at head factioneds. an order is it has been eard to strangetime The appreciance of common catarely the pales! leagers we that word for three or fore days deserve prospelling, all these symptoms are and carated, and frinally turningthe in ments destinationed destronce Su the Thegress not much difficulty will

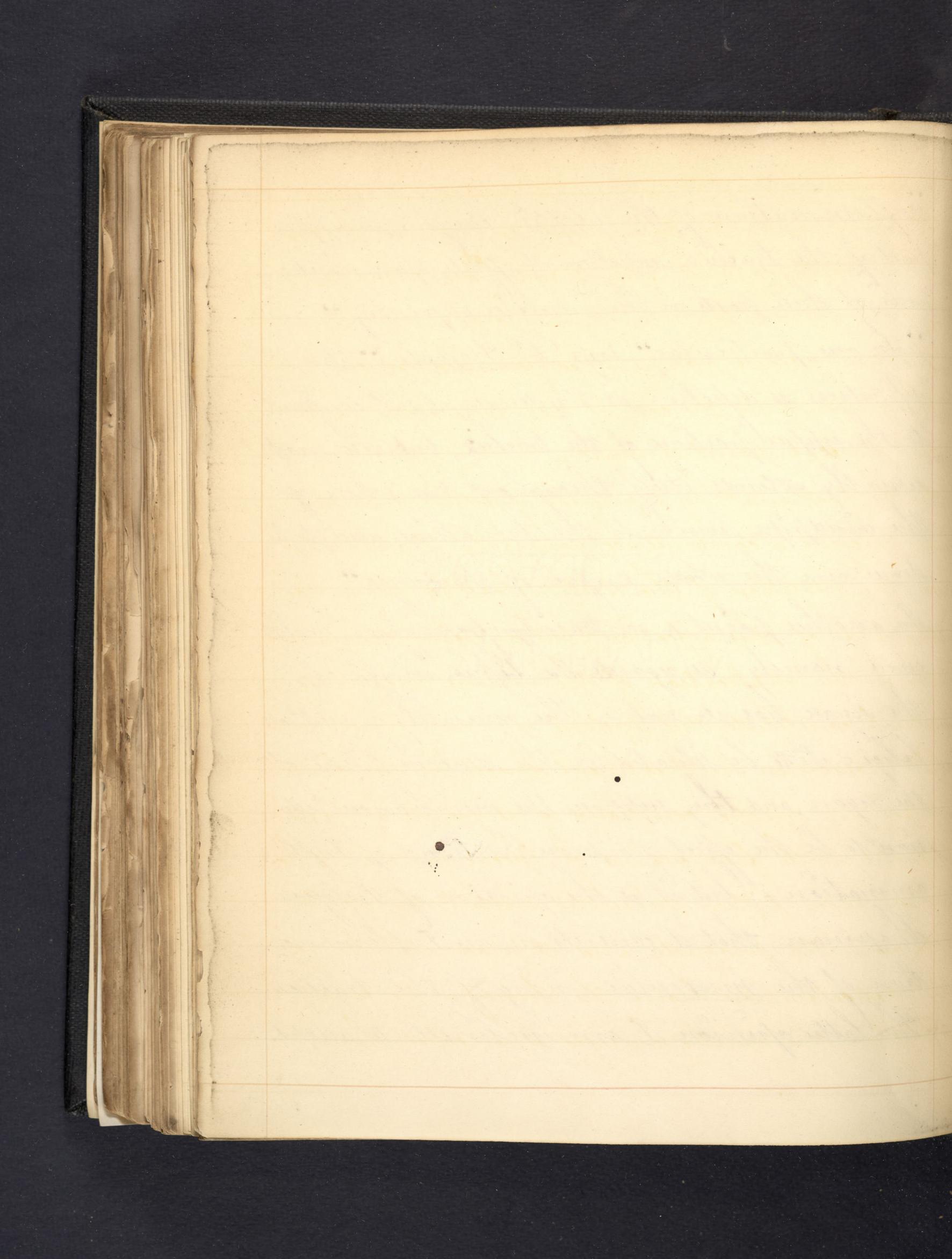
be expression and, the puen hanty of the symptoms above de larled, is sufficient, to discreminate it from other diseases with which it may be confounded -; though some writers say it is confounded with acute asthma, and distinguished by the follow ing Dragmosties - In houp the cough is freyn ently ringing in am ears; wheres in the asth mathere is little or no cough. In ly nanche Trachealy there is seldom or ever any remission, whereas in the acute asthma it is one of the most striking phenomeneon of the disease, and is attended with some warnation, such as belch ing, vomitting or purgring. The prognosis can searcely be said to be more difficult a when the difficulty of breathing is not at all relieved after the full effects of vomiting and blood setting have been obtained, fever high & c the patient is in an unfavourable situation; and when there is a raising of the



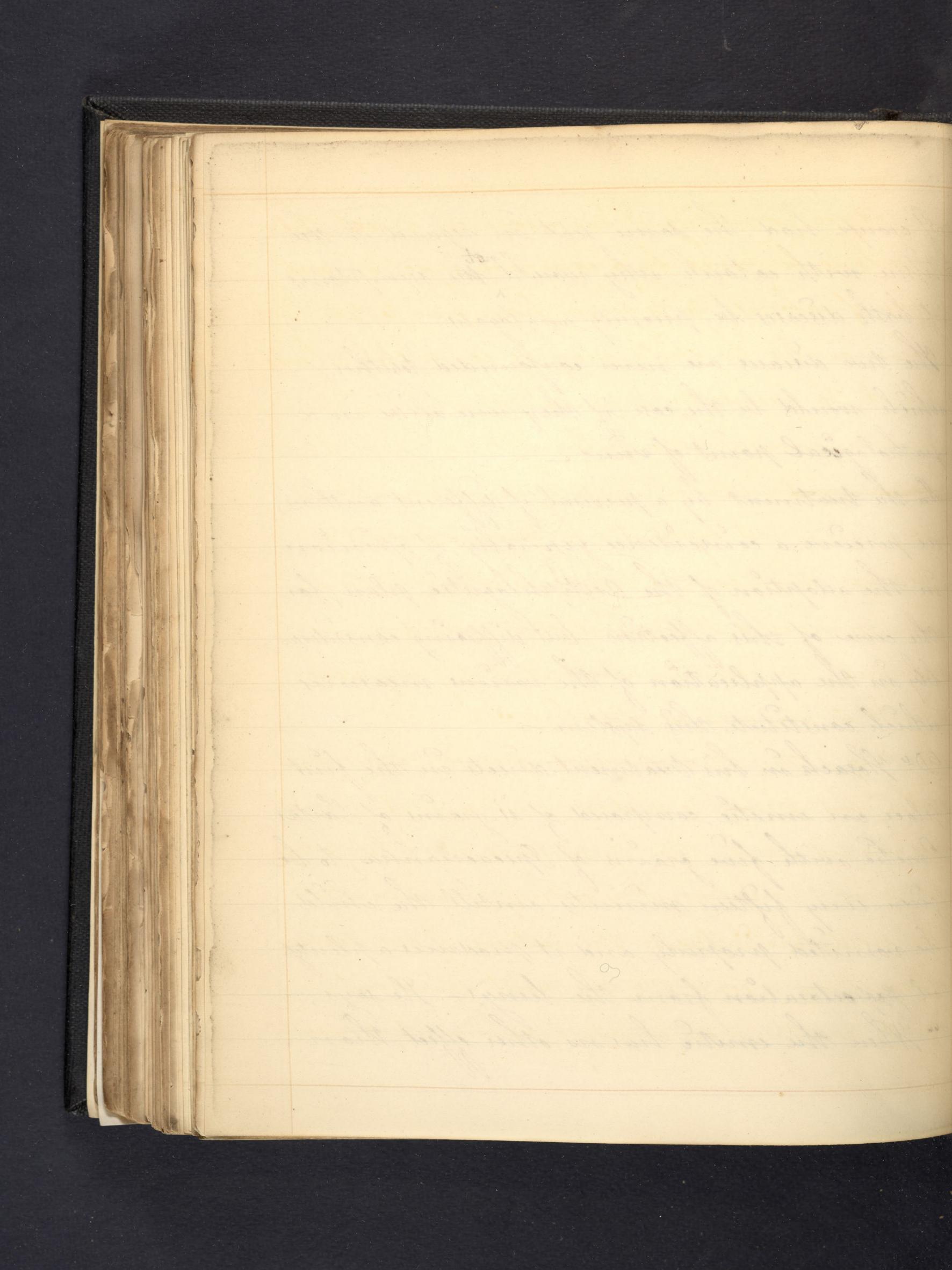
shoulders, with a thumping at the heart, it is said to be an uniformly fatal prognosties. On the contrary when the patrent is easily excited to vormit, has a regular puble, a free espectora: tron and an ignal diffusion of temperature, there is every reason to expect a recovery . houp is generally considered by practitioners, a very formidable disease. laldwell says more than one half of the cases that occur prometatal. I am somewhat disposed to doubt this assertion especially in regard to the cases that occur in This part of the country where the disease is comparatively common; it is my opinion that if proper remedral measures be resorted to, and before the diseased has too far advanced, it is as much under the controll of medicine as any of the infantile diseases. Relative to the Pathology, much controversy has existed, bullen defines brough to be an



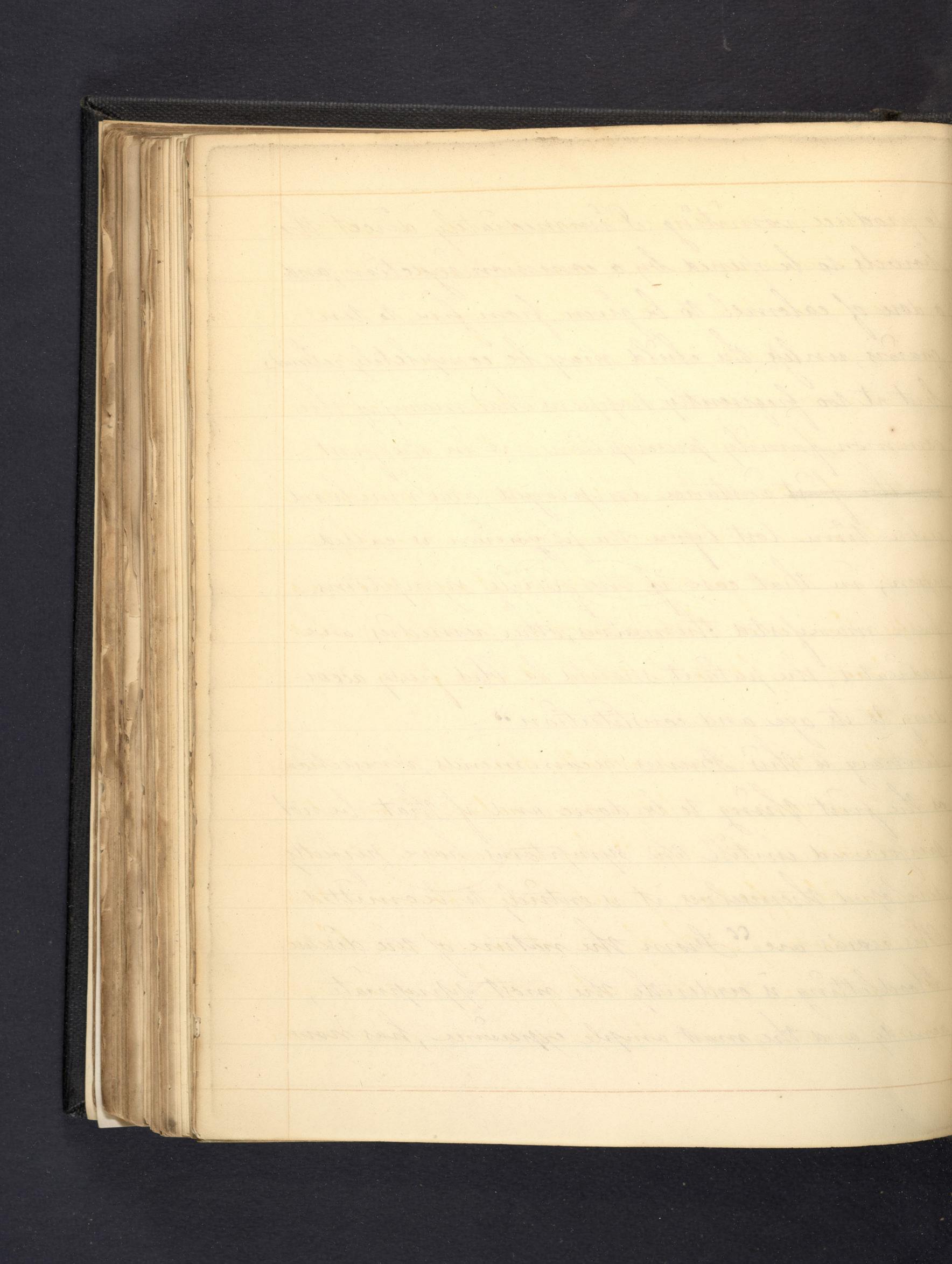
Inflammation of the glottis, laryoux, or upper part of the trachea, whether it affects the member ances of there fraits or the muscles adjoining? In one partientare says D' Hosach 66 this définition is défective, as the disease is not confined to the upper frontion of the tracher, but also most usually extends itself-throughout the whole of the windpipe, even into the bronchiae, and to a degree over the whole surface of the lines? In another fraint a contrainety of opinion is obsewed namely as ugards the tiffene in which The disease has its seat - The generality of authory believe it to be situated in the mucous tiffene of the organ, and they suppose the membranous effect sion to be the effect of a precubiar hand of Ingel ammation =; but it is the opinion of Professor Shapman, that it consists in an Inflamma: Twon of the misseular lining of the trachen; The latter opinion I am melined to adopt.



I croup had the same seat in regard to the tiffree with catorile, why would the symptoms of both diseases be precisely analogous -The two diseases are never confounded together, which would be the case, if they were alike in a trathological point of view In the treatment by a purusal of different authors, we perceive a conneidence generally, of opinion in the adoption of the antiphlogistic plan for the cure of this affection, but differing considerer bly in the application of the various measures which constitute this system De Hosach in his treatment directs in the fruit place un imetie, comprosed of il grams of Sartai Emetie with five grains of Specaerianha, to be given every fifteen minutes untill the child be arounted propuly, and it produces a plentit. ul propoctoration from the lungs -: He says " When the imitie has no other effect, than

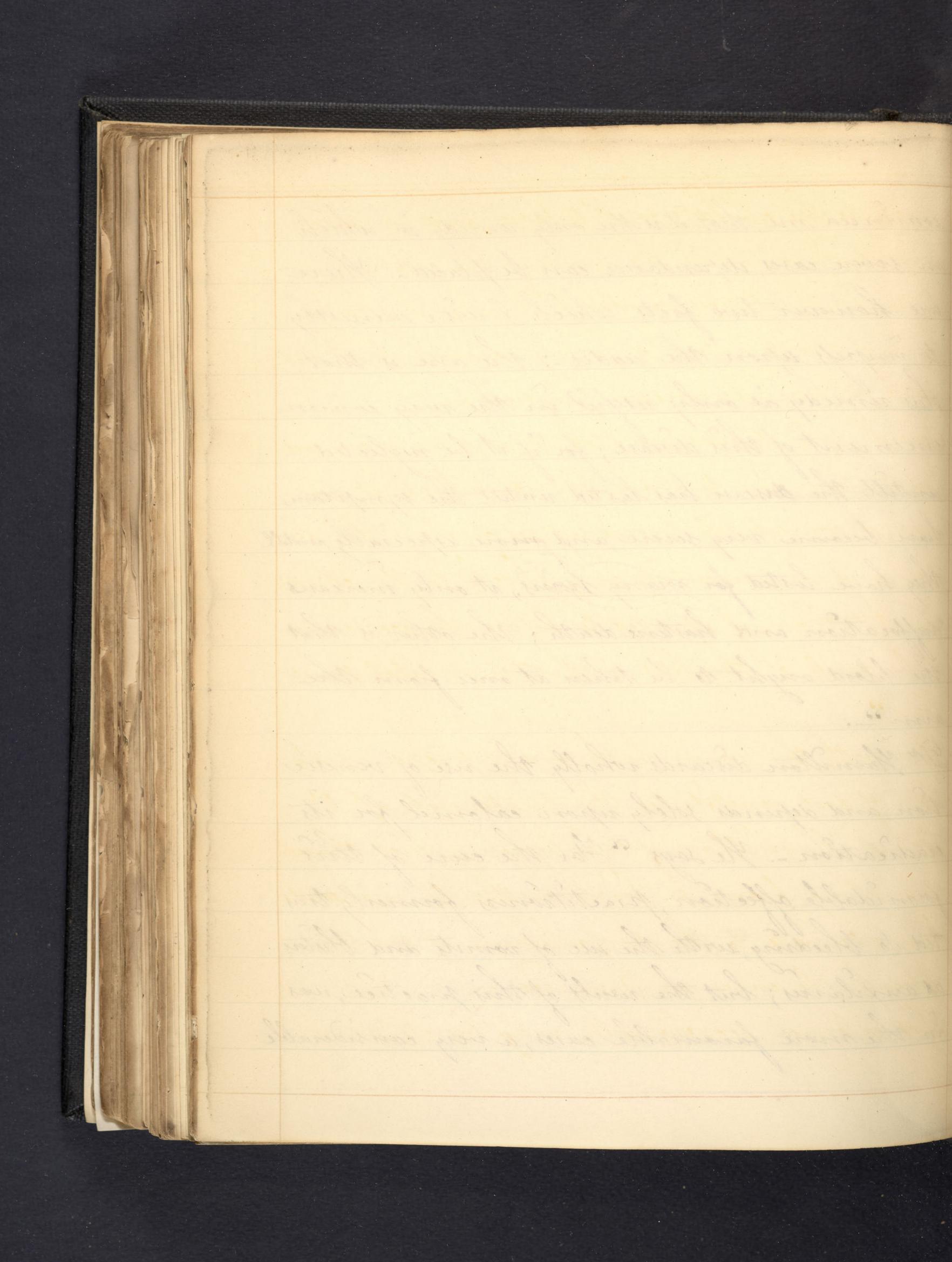


to produce vomiting, I immediately direct the bowels to be opined by a common muction, and a dow of calonnel to be given, from five to ten grains, unlike the child may be completely relieved? but it too frequently happens that many of the common family prescriptions are in the first the first instance employed, and much val nable time lost before the physician is called upon; in that case if the febrile symptoms have manifested themselves, other remedies are indicated, the patient should be bled freely according to its age and constitution . · lontrary to this Burns recommends, venezuction as the first thing to be done and if that be not performed untill the symptoms have perfectly diveloped themselves, it is entirely to be omitted His words are From the nature of the disease bloodletting is evidently the most appropriate, remedy and the most ample expense, has now

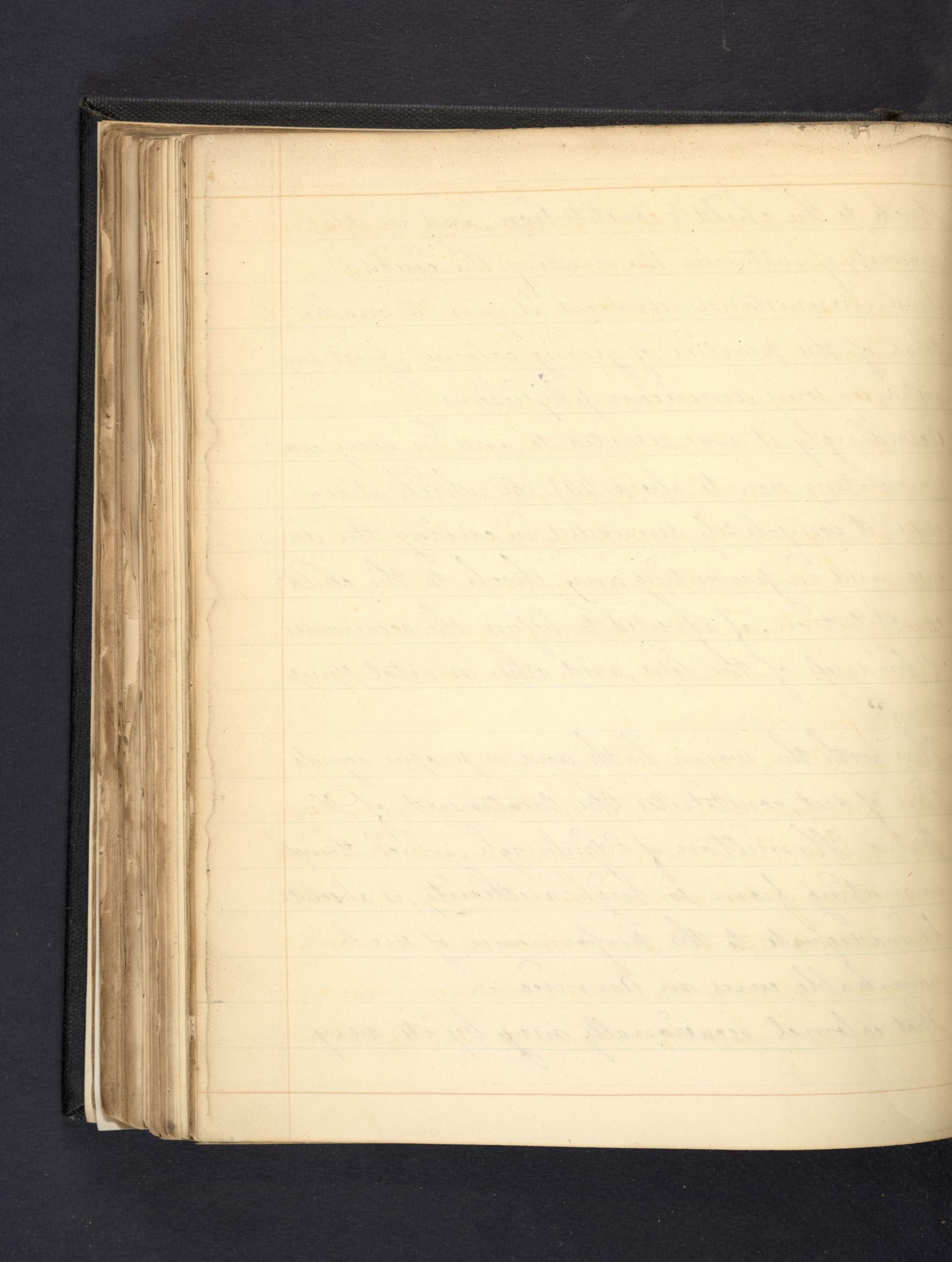


convinced me, that it is the only remedy in which in severe cases dependance can be placed. There are however two facts which I wish earnestly to impress upon the reader: the are is that this remedy is only useful in the very commencement of this disease; for if it be nighted untill the thisease has lasted untill the symptoms have become very severe and more especially untill they have listed for many homs, it only increases sufficient and hastens death; the other is that the blood ongth to be token at once from the arm?

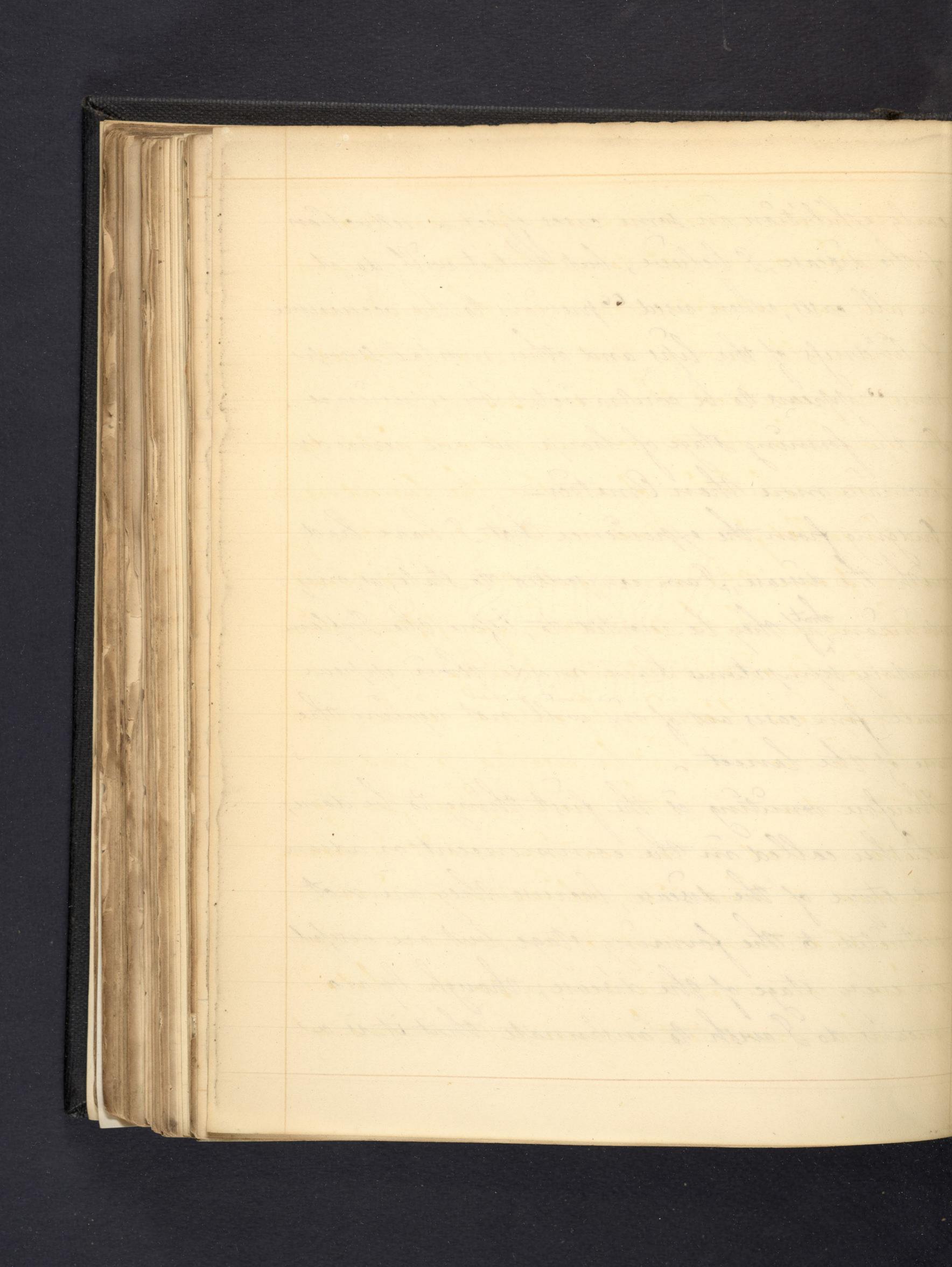
De Hamilton discards wholly the use of venesce tion, and depends solely upon calornel for its eradication. He says "For the care of this formidable affection, practitioners formerly trus ted to bleeding, with the use of romits and blisters as anxilaries; but the use of this practice, was in the more faromable cases, a very considerable



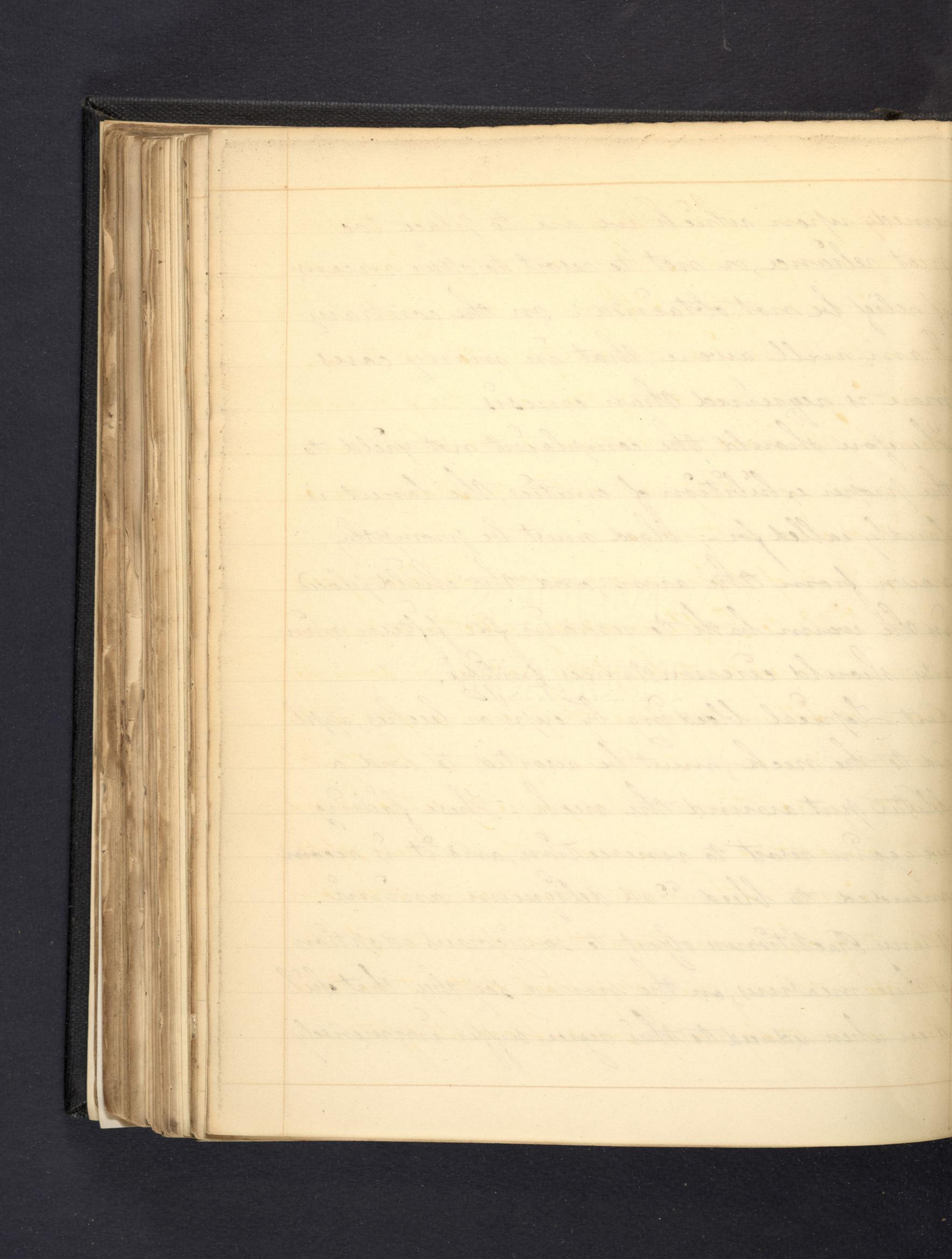
shock to the child's constitution, and in the majority of instances the death of the child; These circumstances rendered it fan to make trial of the practice, of giving calomel, fruit my gested by some american physicians accordingly it was resorted to, and in every case (amounting now to above 40) it which it was used, it completely succeeded in curing the dis ease, and in preventing any shoch to the child's constitution, if adverted to before the occurrence of hindness of the lips, and other mortal symp This with the warm bath and a proper regula tron of driet, constitutes the treatment, of In James Hamilton of Edmiburgh, which though emanating from so high authority, is absolute by madequate to the performance of such remarkable eures ma America c That ealowel accasionally may by its very



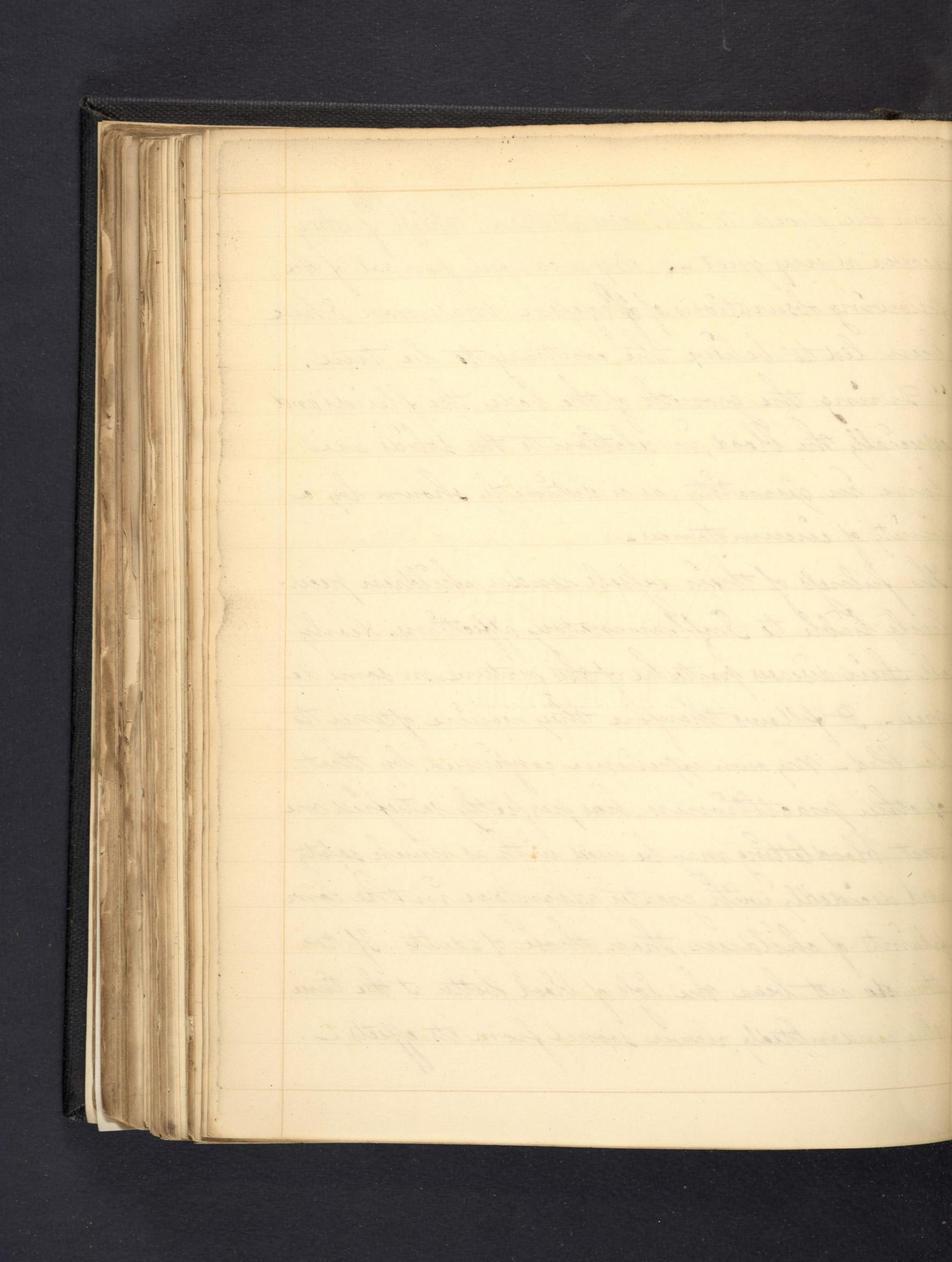
early exhibition in some cases effect a reduction of the disease, I believe, but that it will do it in all eases, when used 66 previous to the occurrence of lividings of the lips and other mortal symp Homes de appears to be contradicted by expressione. In the forming stage of houp no one remedy promises more than Cometics -Judging from the experience that I have had with the disease, I am compelled to state, as, my aprimion that they be resorted to before the Inflam matory symptoms have made their appear ance, four cases out of my will not require the use of the larrest Therefore vomitting is the first thing to be dane, whether called in the commencent or advan ced stage of the disease, because they are not restricted to the forming stage, but are useful on every stage of the disease; though by no means do I wish to mismate, that it is a



remedy whom which we are to place too queat rehunce, or not to resort to other means, if relief be not obtained i on the contrary I am well aware, that in many cases more is required than emesis Therefore should the complaint not yield to the proper exhibition of emeties, the lancet is landly ealled for ; blood must be promptly drawn from the arm, and the child placed in the warm bath to remain for fifteen min ute, should enemnstances fustifig. Kest Toprical blocking by eups on leeches, appl red to the nech, must be resorted to , and a blister put around the neeth. These failing we again resort to venescetion, and it is recom mended to bleed "ad delignum anima. Many Fractitioner object to so rigorous adoption of these measures, on the ground say they, that whill dren when reduced to this degree suffer immensely



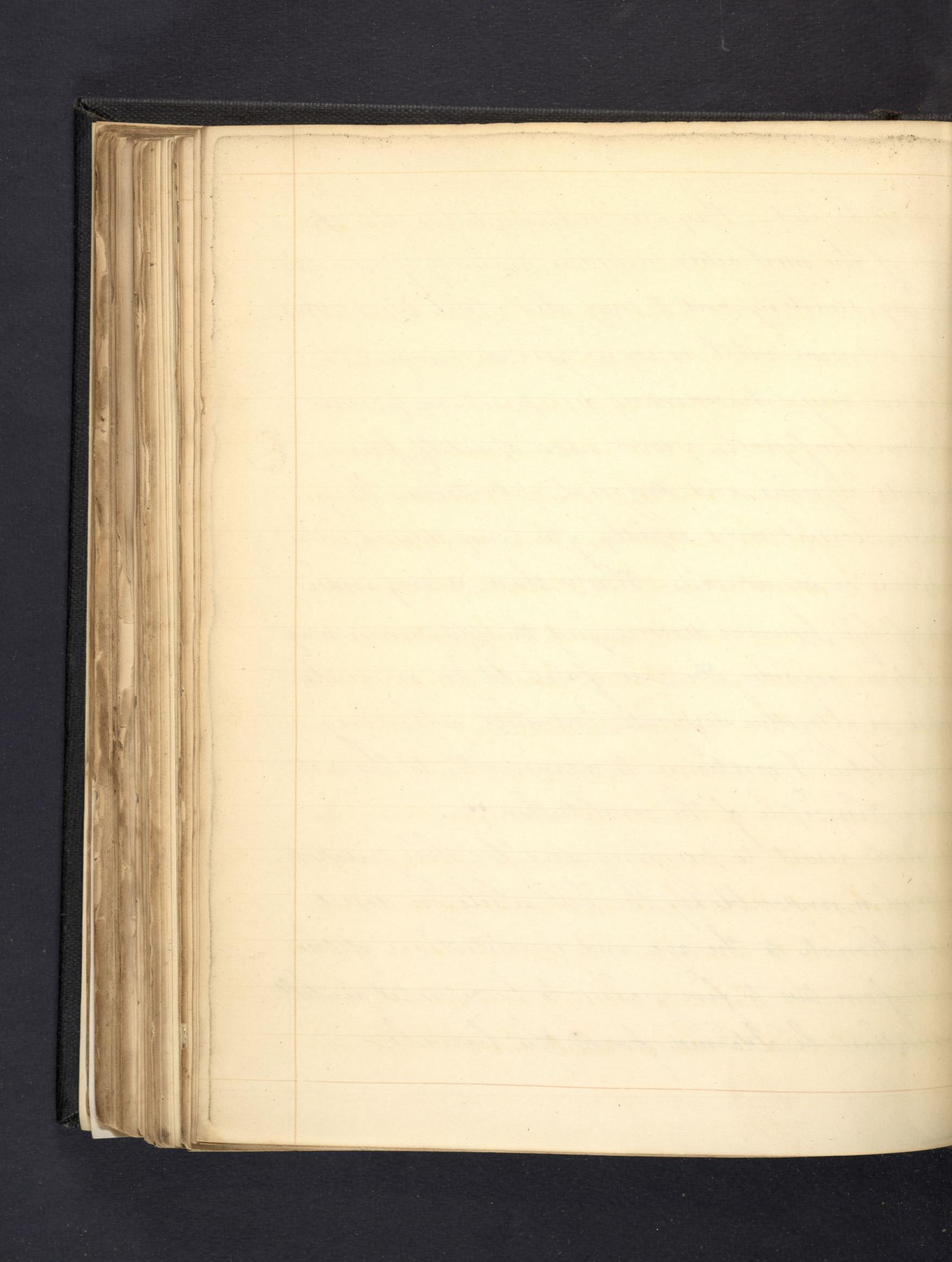
from the shock to the constitution, which if they recover is very great. By a careful precisal of the following observations of Frofesion thamman I have been led to believe the contrary to be true. During the growth of the body, the fluids and especially the blood, in relation to the solids are large in quantity, as is distinctly shown by a variety of encumstances. The fulness of their vessels render children peen. harly hable to Inflammatory affections. Searly all their diseases parter he of this nature in some de gree -. It follows therefore they regime oftener to be bled. My own expressione confirmed by that of other machithoners, has perfectly satisfied me that blood letting may be used with as much salety and decidedly with greater advantage in the com plaints of children, than those of adults. If too they do not been the loss of blood, better at the time, they undoubtedly recover sooner from its effects -.



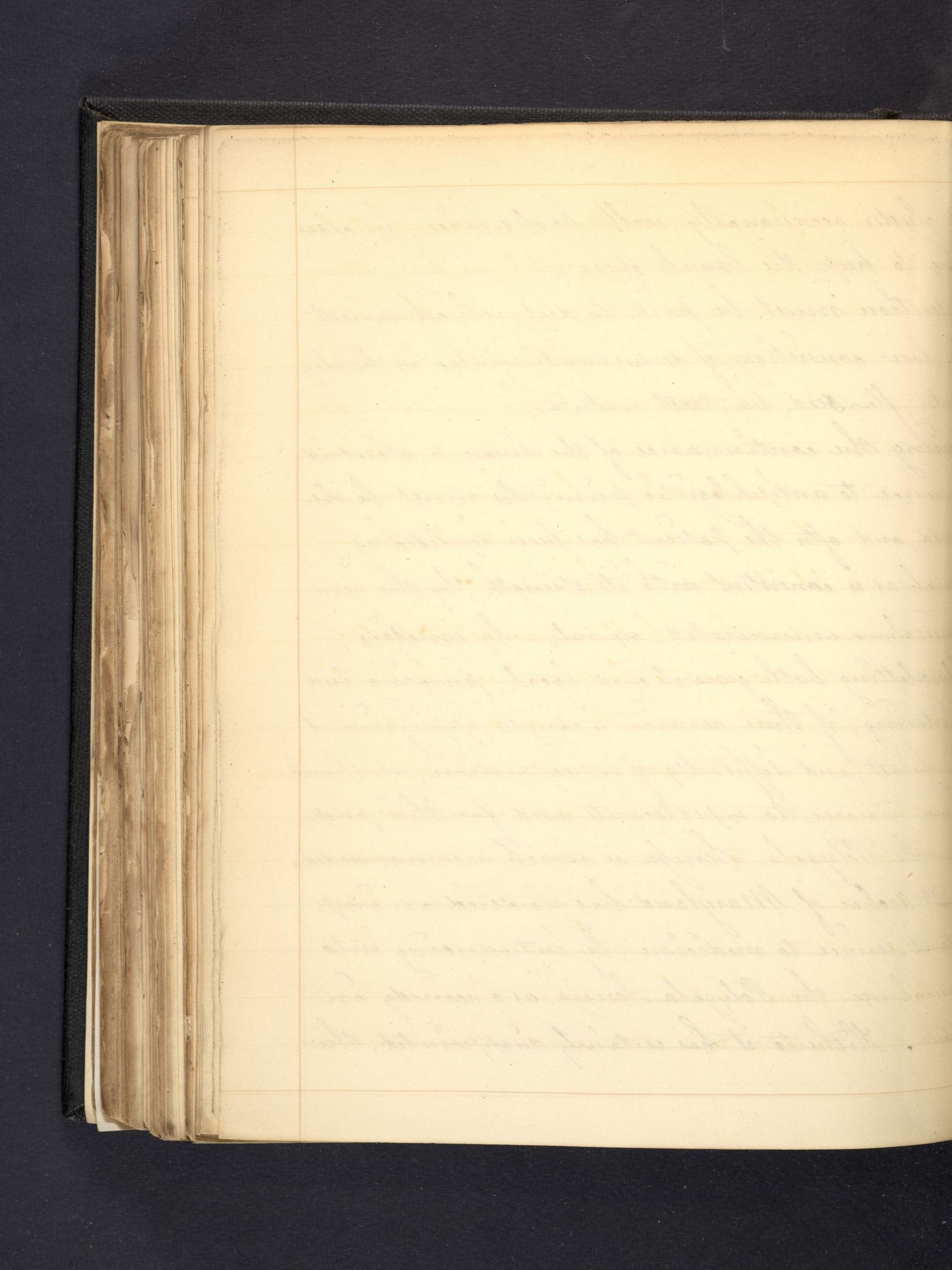
The prejudice against bleading children, seems to have arisen out of the too prevalent opinion, that owing to an extreme delicacy of constitution, they cannot bear any vigorares imprefsions. As a natural consequence of this opinion, the general practice in their compla unts, is Atternely fueble exactly indud of that hind which has been facetionsly described, as obsciving a street neutra: lity between the patrient and disease, neither declaring for the one nor the other - By no slinder nor partial observation, I am thoraughly convined the contrary of this to be trive -. Shildren I have remarked digrelay an uneamman tonaesty of life and strength of constitution. They often survive under incumitances, which would destroy adults. They have been found living at the breasts of their mothers, who had perished by cold. They result contagion better than adults, and when attached more certainly recover, from not only The contagious disease, but from all others if

between the leavest week week prostore to course the same of the same of the same of the same of I - service of the to be a transfer of acity of leter and stranged or constitution. They hierts of sheer mothers, who had fourther he There will emitained better their adults and when reduct now certainly recover from not one he can tankens demente, but from all others of

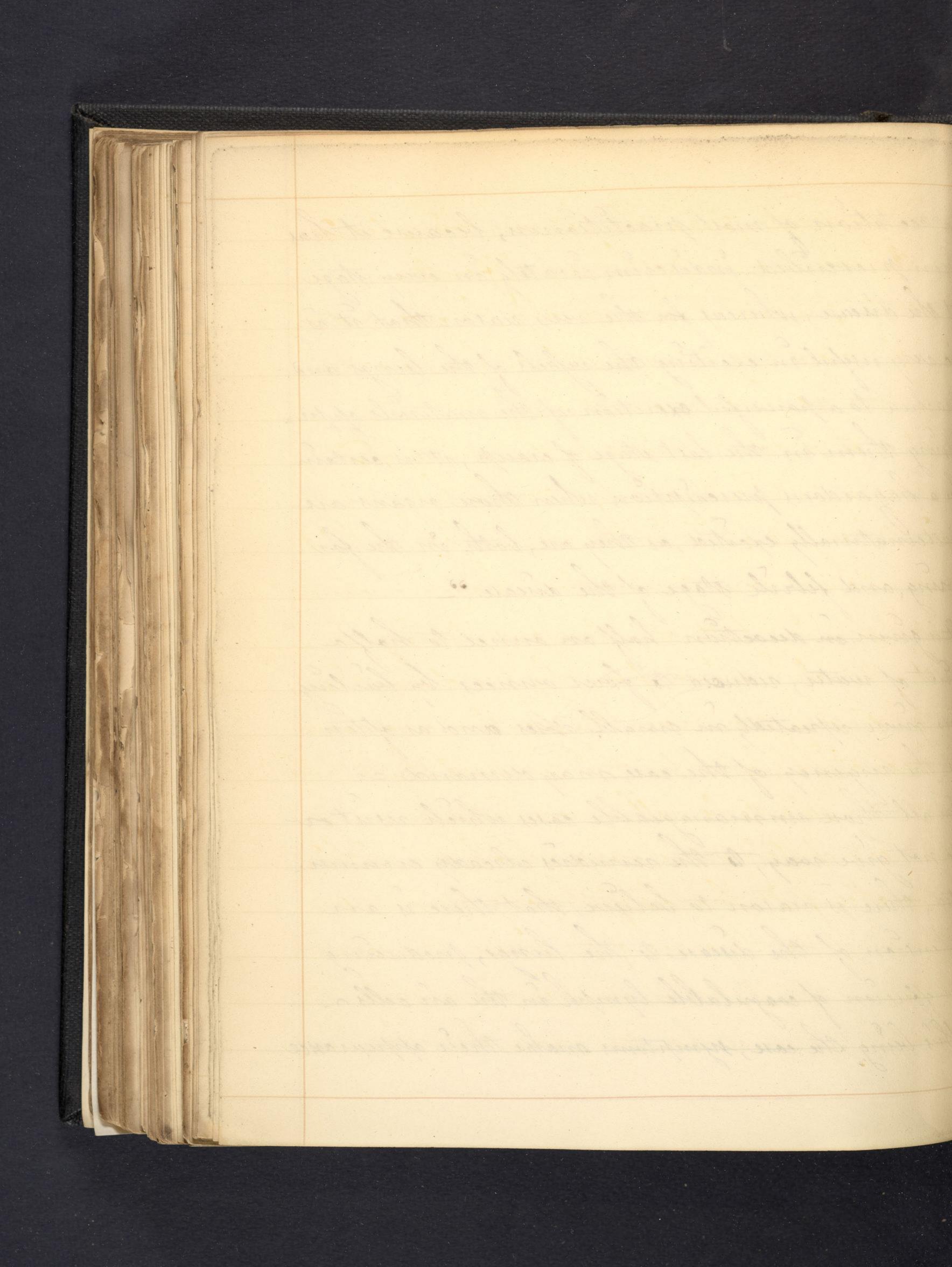
properly treated. They also sustain better the ope ration of the most active remedies, marriely of vomiting punging, sweating, and I may also repreat blood letting. These infruror vital energies give moreover to children very ethandmary rienperative powers. Shildren confessedly recover more spreedilg, from wounds, injuices, and sugged operations. They Thereise recruit, more rapidly, after being reduced, either by disease or by remedies. While there is any modie ation of life, however discouraging, the appearances may be I never consider the case of a child, in an acrite disease, as altogether despurate, but still retaining some hope I continue to administer to the rest orative principle of the constitution ?. the now resort to purging and for this purpose calonul is undoubtedly the best article in dones proportionate to the age and constitution of the child from two to five grains, to be represented unitell wacuation be obtained from the bowels



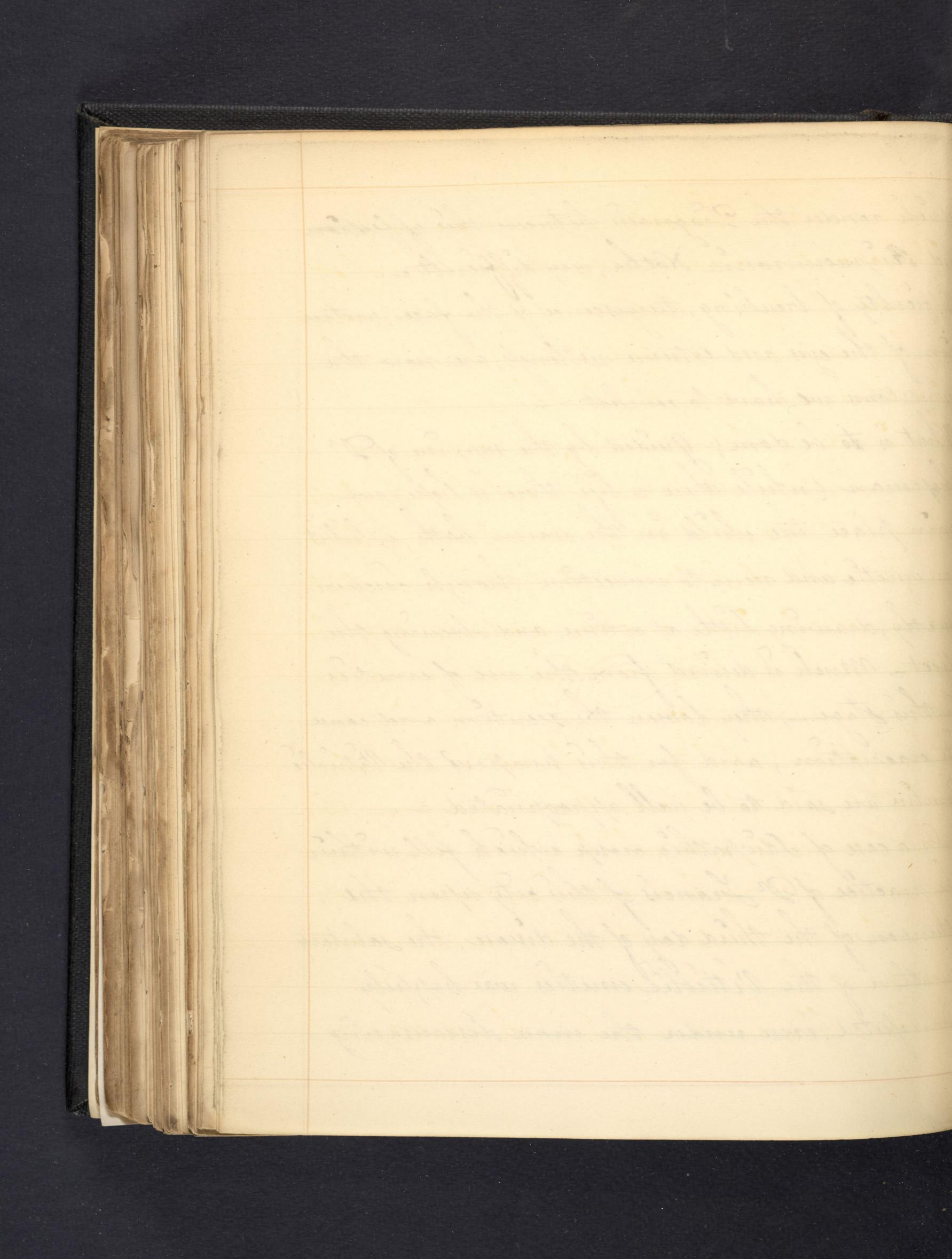
A glyster oceasionally, will be of survice, in assis ting to hup the bowels open -. Attention must be paid to dut, which must be low consisting of demuleent duntes as barley water, fler seed tea, toust water &c During the continuance of the disease, a street adhurence to antiphlogistic principles must be observed, and after the patrent has been depleted as much as is consistent with its strength, by the remedres above inumerated namely - by imetres, bloodletting both general and local, punging and blutering, if there remain a cough, appression at the breast, and difficulty of expectoration, we should have reourse to expectorants, and for this purp = ose the Polygala Senega is much recommended. "In archer of Maryland has undered an imp atant service to medicine, by introducing into general use the Polygala Seriega as a remedy in croup. Hitherto it has certainly disappointed, the



expectation of most practitioners, because it has been preseribed, indiscriminately in every stage, of the disease, whereas for the very reason that it is so very useful in exciting the refsels of the lungs and trachen to a powerful exerction of the maturials opporefing them in the last stage of eroup, it is certain by a hagardons presentation when those organs are preternaturally excited, as they are, both in the for roung, and febrile stage of the disease? It is grun in decoetron half an owner to halfa mut of water, reduced to four owners by builing, and gover repreatedly in small doses and as aften as the ringing of the case may demand a In all those unmanageable cases, which result or do not give rouy, to the remedies already enumer. ated, there is reason to believe, that there is an extension of the disease to the lungs, producing an effusion of coagulable lymph in the air cells . This being the case, symptoms make their appearance



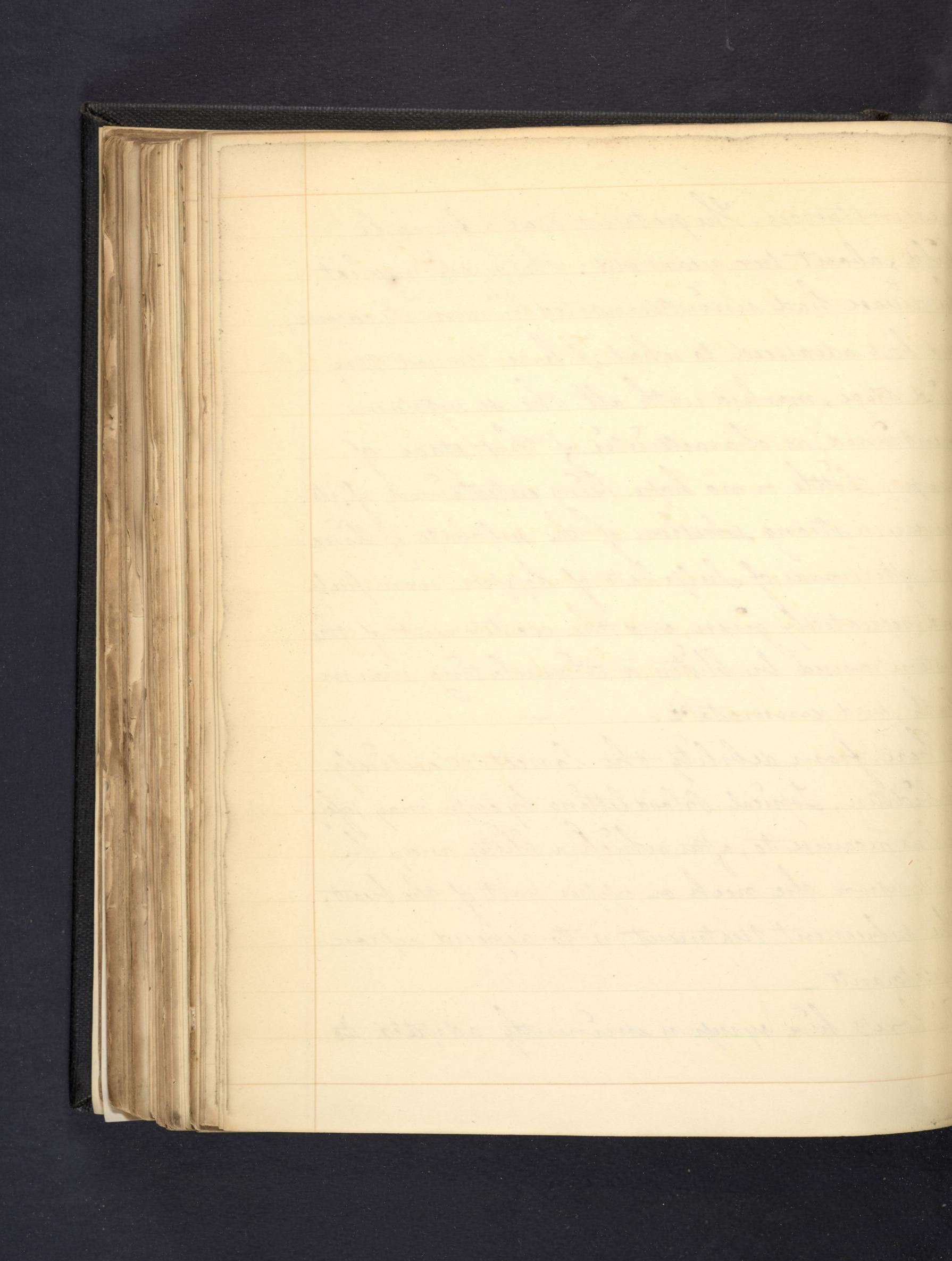
which render the Diagnosis between this affection and Rigmenmonia Notha, very difficulte. Difficulty of breaking, turgiscence of the face, protru sion of the eyes and extreme restlings, are now the symptoms we have to combat -What is to be done; quided by the maxim of Dr Shapman, (while there is life there is hope) we again place the child in the warm bath, whilit an imetre and recent to venisection, though encum: speetly, drawing little at a time and observing the effect. Much is derived from the use of emetics in this stage -; they loosen the secretion and cause its evacuation; and for this purposed the Vitualie Emetres are said to be well approximated c. In a case of Sdiopathie croup which fell within the practice of M Inancis of this city upon the afternoon of the third day of the disease, the salutary grenation of the Vitirolic emetres was happily manifested, even under the more discouraging



enermstances. The patient was a firmali child, about two years old: Arrough neglect the disease had uninterruptedly nen its course, and had advanced to what I have turned the third stage, marked with all the symptoms mentioned as characteristic of that stage of croup. Little or no hope being entertained of its recovery, a strong solution of the sulphate of time and afterwards of Sulphate of lopper, were fuely and repeatedly given, and the sectement of the postern roused by blisters, a trimulating warm bath, and enemate?

There from debility the lancet is entirely forbidden, Infrical Bloodletting by cups may sufely be had recourse to, after which a blister may be laid upon the nech ar upper part of the breatt, The subsequent treatment is to depend upon ypectorants.

De loge's hive syrup is uninently adapteted to,



this stage of the disease. Squill alone or in combination, with calomel, (the latter article of which in small dones is an excellent exprectorant) may beheurse be used with quat advantage The fuice of anions or garlie may be grown even to excite vaniting All failing as a dumier resort the operation of Branchotomy is recommended, whether with advantage or not of leave to the consideration of Those who are more experienced. . Sennsylvania November. Jacob Lentz. 1825

